

## Appendix F

Author (Publication Year)	Functions				
	<i>Time Scales</i>	<i>Predictive Analysis</i>	<i>Data Customization: Selecting &amp; Filtering</i>	<i>Data Customization: Searching</i>	<i>Data Customization: Sorting &amp; Grouping</i>
Al Manir, M. S., et al. (2018). A Surveillance Infrastructure for Malaria Analytics: Provisioning Data Access and Preservation of Interoperability. <i>JMIR Public Health And Surveillance</i> , 4(2), Article e10218.					
Alvarez, V. C., et al. (2019). Visualization of Health Data. In J. C. W. Lin, I. H. Ting, K. Wang, & T. Tang (Eds.), <i>Multidisciplinary Social Networks Research, 6th International Conference, MISNC 2019, Wenzhou, China, August 26–28, 2019, Revised Selected Papers</i> (Vol. 1131 CCIS, pp. 118-130): Springer.					
Avvenuti, M., et al. (2018). CrisMap: A Big Data Crisis Mapping System Based on Damage Detection and Geoparsing. <i>Information Systems Frontiers</i> , 20(5), 993–1011.			X		
Basdere, M., et al. (2019). Safe: A Comprehensive Data Visualization System. <i>INFORMS Journal on Applied Analytics</i> , 49(4), 249-261.					
Benson, A. L., et al. (2010). <i>Adaptive Development of a Common Operating Environment for Crisis Response and Management</i> . ISCRAM 2010 – 7th International Conference on Information Systems for Crisis Response and Management: Defining Crisis Management 3.0, Proceedings, Seattle, WA: Information Systems for Crisis Response and Management, ISCRAM.			X		X
Bernard, J., et al. (2019). Using Dashboard Networks to Visualize Multiple Patient Histories: A Design Study on Post-Operative Prostate Cancer. <i>IEEE Transactions on Visualization and Computer Graphics</i> , 25(3), 1615-1628.					
Bhardwaj, S., et al. (2014). Elimination of Mother-to-Child Transmission of HIV in South Africa: Rapid Scale-up Using Quality Improvement. <i>South African Medical Journal</i> , 104(3), 239-243.					

Braa, J., et al. (2017). Health Information Systems in Indonesia: Understanding and Addressing Complexity. In M. S. Islam, F. Wahid, J. E. Priyatma, J. Choudrie, & J. M. Bass (Eds.), (Vol. 504, pp. 59-70): Springer New York LLC.		
Brownson, R. C., et al. (2015). Applying A Mixed-Methods Evaluation to Healthy Kids, Healthy Communities. <i>Journal of Public Health Management and Practice</i> , 21, 16-26.		
Campbell, T. C., et al. (2014). Development of the Respiratory Disease Dashboard for the Identification of New and Emerging Respiratory Pathogens. <i>Johns Hopkins APL Technical Digest (Applied Physics Laboratory)</i> , 32(4), 726-734.	X	X
Carmichael, J. M., et al. (2017). Leveraging Electronic Medical Record Data for Population Health Management in the Veterans Health Administration: Successes and Lessons Learned. <i>American Journal of Health-System Pharmacy</i> , 74(18), 1447-1459.	X	
Choudhary, V., et al. (2020). <i>AirQ: A Smart IOT Platform for Air Quality Monitoring</i> . 2020 IEEE 17th Annual Consumer Communications & Networking Conference (CCNC), Las Vegas, NV.		
Concannon, D., et al. (2019). Developing a Data Dashboard Framework for Population Health Surveillance: Widening Access to Clinical Trial Findings. <i>JMIR Formative Research</i> , 3(2), Article e11342.		X
Devi, L. N., et al. (2018). <i>Live Demonstration on Smart Water Quality Monitoring System Using Wireless Sensor Networks</i> . 2018 IEEE SENSORS, New Delhi, India.		X
Dong, E., et al. (2020). An Interactive Web-Based Dashboard to Track COVID-19 in Real Time. <i>The Lancet. Infectious Diseases</i> , 20(5), 533-534.		
Erraguntla, M., et al. (2012). <i>Open Source Text Based Biovigilance</i> . Proceedings of the 2012 International Conference on Artificial Intelligence (ICAI 2012, Vol. 1), Las Vegas, NV.	X	
Estuar, M. R. E., et al. (2016). <i>The Challenge of Continuous User Participation in eBayanihan: Digitizing Humanitarian Action in a Nationwide Web Mobile Participatory Disaster Management System</i> . 2016 3rd International Conference on Information and Communication Technologies for Disaster Management (ICT-DM), Vienna, Austria.		

Federico, L., et al. (2016). <i>SINSE+: A Software for the Acquisition and Analysis of Open Data in Health and Social Area</i> 24th Italian Symposium on Advanced Database Systems (SEBD 2016), Ugento, Lecce, Italy.	X			
Gourevitch, M. N., et al. (2019). City-Level Measures of Health, Health Determinants, and Equity to Foster Population Health Improvement: The City Health Dashboard. <i>American Journal of Public Health</i> , 109(4), 585-592.			X	
Hamoy, G. L., et al. (2016). Real-Time Regular Routine Reporting for Health (R4health): Lessons from the Implementation of a Large Scale Mobile Health System for Routine Health Services in the Philippines. <i>Acta Medica Philippina</i> , 50(4), 280-294.			X	
Harris, J. K., et al. (2018). Evaluating the Implementation of a Twitter-Based Foodborne Illness Reporting Tool in the City of St. Louis Department of Health. <i>International Journal of Environmental Research and Public Health</i> , 15(5), Article 833.				
Hoare, G., et al. (2010). Developing H1N1 Hospital Surge "Dashboard" Indicators: A Demonstration. ISCRAM 2010 – 7th International Conference on Information Systems for Crisis Response and Management: Defining Crisis Management 3.0.				
Homsuwan, P., et al. (2018). Visualization Development of Health Data Reporting with Business Intelligence Techniques. <i>Journal of the Medical Association of Thailand</i> , 101(6), 49-54.	X		X	
Husain, S. S., et al. (2015). SOCR Data Dashboard: An Integrated Big Data Archive Mashing Medicare, Labor, Census and Econometric Information. <i>Journal of Big Data</i> , 2(1), Article 13.			X	X
Husain, W., et al. (2016). M-DENGUE: Utilizing Crowdsourcing and Teleconsultation for Location-Based Dengue Monitoring and Reporting System. <i>Jurnal Teknologi</i> , 78(9-3), 89-95.				
Jamil, J. M., et al. (2016). An Innovative Data Mining and Dashboard System for Monitoring of Malaysian Dengue Trends. <i>Journal of Telecommunication, Electronic and Computer Engineering</i> , 8(10), 9-12.	X	X		
Jinpon, P., et al. (2017). Integrated Information Visualization to Support Decision Making for Health Promotion in Chonburi, Thailand. <i>Walailak Journal of</i>				

*Science and Technology*, 16(8), 551-560.

Jinpon, P., et al. (2017). Integrated Information Visualization to Support Decision-Making in Order to Strengthen Communities: Design and Usability Evaluation. *Informatics for Health & Social Care*, 42(4), 335-348.

Kamadjeu, R., et al. (2017). Designing and Implementing an Electronic Dashboard for Disease Outbreaks Response - Case Study of the 2013-2014 Somalia Polio Outbreak Response Dashboard. *The Pan African medical journal*, 27.

Kostkova, P. (2013). *A Roadmap to Integrated Digital Public Health Surveillance: The Vision and the Challenges*. WWW '13 Companion Proceedings of the 22nd International Conference on World Wide Web, Rio de Janeiro, Brazil.

Kostkova, P., et al. (2014). *Integration and Visualization Public Health Dashboard: The Medi+Board Pilot Project*. WWW '14 Companion: Proceedings of the 23rd International Conference on World Wide Web, Seoul, Korea.

Lee, M. T., et al. (2020). Web-Based Dashboard for the Interactive Visualization and Analysis of National Risk-Standardized Mortality Rates of Sepsis in the US. *Journal of Medical Systems*, 44(2), Article 54.

X

X

X

Luchetti, G., et al. (2017). Whistland: An Augmented Reality Crowd-Mapping System for Civil Protection and Emergency Management. *ISPRS International Journal of Geo-Information*, 6(2), Article 41.

X

X

X

Marshall, B. D. L., et al. (2017). Development of a Statewide, Publicly Accessible Drug Overdose Surveillance and Information System. *American Journal of Public Health*, 107(11), 1760-1763.

Martinez, L. S., et al. (2019). *A Case Study in Belief Surveillance, Sentiment Analysis, and Identification of Informational Targets for E-Cigarettes Interventions*. SMSociety '19: Proceedings of the 10th International Conference on Social Media and Society, Toronto, ON.

X

X

X

Meng, Y., et al. (2020). Lessons Learned in the Development of a Web-Based Surveillance Reporting System and Dashboard to Monitor Acute Febrile Illnesses in Guangdong and Yunnan Provinces, China, 2017-2019. *Health Security*, 18(S1), 14-22.

Mulero, R., et al. (2018). Towards Ambient Assisted Cities Using Linked Data and Data Analysis. <i>Journal of Ambient Intelligence and Humanized Computing</i> , 9(5), 1573-1591.	X	X	X
Nascimento, B. S., et al. (2017). <i>A Flexible Architecture for Selection and Visualization of Information in Emergency Situations</i> . 2016 IEEE International Conference on Systems, Man, and Cybernetics (SMC 2016), Budapest, Hungary.		X	
Pathirannehelage, S., et al. (2018). Uptake of a Dashboard Designed to Give Realtime Feedback to a Sentinel Network About Key Data Required for Influenza Vaccine Effectiveness Studies. <i>Studies in Health Technology and Informatics</i> , 247, 161-165.			
Perez-Gonzalez, C. J., et al. (2019). Developing a Data Analytics Platform to Support Decision Making in Emergency and Security Management. <i>Expert Systems with Applications</i> , 120, 167-184.	X	X	
Pike, I., et al. (2017). The Canadian Atlas of Child and Youth Injury: Mobilizing Injury Surveillance Data to Launch a National Knowledge Translation Tool. <i>International Journal of Environmental Research and Public Health</i> , 14(9), 982, Article 982.		X	X
Poy, A., et al. (2017). Monitoring Results in Routine Immunization: Development of Routine Immunization Dashboard in Selected African Countries in the Context of the Polio Eradication Endgame Strategic Plan. <i>Journal of Infectious Diseases</i> , 216, 226-236.			
Rees, E. E., et al. (2011). Advancements in Web-Database Applications for Rabies Surveillance. <i>International Journal of Health Geographics</i> , 10, Article 48.		X	
Rees, K. (2010). <i>Periscopic Visualizes Symptomatology of Pandemic: Vast 2010 Mini Challenge 2 Award: Effective Visualization of Symptoms</i> . 2010 IEEE Symposium on Visual Analytics Science and Technology, Salt Lake City, UT.	X		
Robertson, H., et al. (2017). A Spatial Dashboard for Alzheimer's Disease in New South Wales. In A. Ryan, L. K. Schaper, & S. Whetton (Eds.), <i>Integrating and Connecting Care</i> (Vol. 239, pp. 126-132). Ios Press.		X	
Ryan, K., et al. (2016). Development of an Obesity Prevention Dashboard for Wisconsin. <i>Wisconsin Medical Journal</i> , 115(5), 224-227.			

Saha, S., et al. (2018). An Analytics Dashboard Visualization for Flood Decision Support System. <i>Journal of Visualisation</i> , 21(2), 295–307.	X		
Savini, L., et al. (2018). A Web Geographic Information System to Share Data and Explorative Analysis Tools: The Application to West Nile Disease in the Mediterranean Basin. <i>PLOS ONE</i> , 13(6), Article e0196429.	X		X
Senyoni, W. F., et al. (2019). An Institutional Perspective on the Adoption of Open Dashboard for Health Information Systems in Tanzania. In P. Nielsen & H. C. Kimaro (Eds.), <i>Information and Communication Technologies for Development: Strengthening Southern-Driven Cooperation as a Catalyst for Ict4d, Pt I</i> (Vol. 551, pp. 272-283). Springer-Verlag Berlin.			
Singh, S. K. (2017). Conceptual Framework of a Cloud-Based Decision Support System for Arsenic Health Risk Assessment. <i>Environment Systems and Decisions</i> , 37(4), 435-450.			
Tegtmeyer, R., et al. (2012). <i>Tracing and Responding to Foodborne Illness</i> . Proceedings of the 30th ACM International Conference on Design of Communication, Seattle, Washington, USA.	X		X
ter Waarbeek, H., et al. (2011). Strengthening Infectious Disease Surveillance in a Dutch-German Crossborder Area Using a Real-Time Information Exchange System. <i>Journal of business continuity &amp; emergency planning</i> , 5(2), 173-184.		X	
Thomas, M., et al. (2016). The Role of Participatory Communication in Tracking Unreported Reproductive Tract Issues in Marginalized Communities. <i>Information Technology for Development</i> , 22(1), 117–133.			
Thomas, M. A., et al. (2012). Mitigating Gaps in Reproductive Health Reporting in Outlier Communities of Kerala, India-a Mobile Phone-Based Health Information System. <i>Health Policy and Technology</i> , 1(2), 69-76.			
Thorne, S., et al. (2018). EpiViewer: An Epidemiological Application for Exploring Time Series Data. <i>BMC Bioinformatics</i> , 19(1), 449, Article 449.	X	X	X
Tom-Aba, D., et al. (2015). Innovative Technological Approach to Ebola Virus Disease Outbreak Response in Nigeria Using the Open Data Kit and Form Hub Technology. <i>PLOS ONE</i> , 10(6), Article e0131000.			

Urosevic, V., et al. (2017). <i>An Interactive Environment for Managing Detected Data Towards Geriatric Prevention</i> . 2017 IEEE 3rd International Forum on Research and Technologies for Society and Industry (RTSI), Modena, Italy.	X	X	
van Ginkel, K. C. H., et al. (2018). Urban Water Security Dashboard: Systems Approach to Characterizing the Water Security of Cities [Article]. <i>Journal of Water Resources Planning and Management</i> , 144(12), Article 04018075.			
Vila, R. A., et al. (2018). <i>The Design and Use of Dashboards for Driving Decision-Making in the Public Sector</i> Proceedings of the 11th International Conference on Theory and Practice of Electronic Governance, New York.			
Wahi, M. M., et al. (2019). Visualizing Infection Surveillance Data for Policymaking Using Open Source Dashboarding. <i>Applied Clinical Informatics</i> , 10(3), 534-542.		X	
Waye, K. M., et al. (2018). Action-Focused, Plain Language Communication for Overdose Prevention: A Qualitative Analysis of Rhode Island's Overdose Surveillance and Information Dashboard. <i>International Journal of Drug Policy</i> , 62, 86-93.			
Wissel, B. D., et al. (2020). An Interactive Online Dashboard for Tracking COVID-19 in U.S. Counties, Cities, and States in Real Time. <i>Journal of the American Medical Informatics Association</i> , 27(7), 1121-1125.		X	X
Zheng, L., et al. (2013). Data Mining Meets the Needs of Disaster Information Management. <i>IEEE Transactions on Human-Machine Systems</i> , 43(5), 451-464.		X	X
Zheng, L., et al. (2010). <i>Using Data Mining Techniques to Address Critical Information Exchange Needs in Disaster Affected Public-Private Networks</i> . Proceedings of the 16th ACM SIGKDD International Conference on Knowledge Discovery and Data Mining, Washington, DC.		X	
Zhu, Z., et al. (2017). Interactive Data Visualization to Understand Data Better: Case Studies in Healthcare System. In <i>Decision Management: Concepts, Methodologies, Tools, and Applications</i> (Vol. 1-4, pp. 27-36). IGI Global.		X	